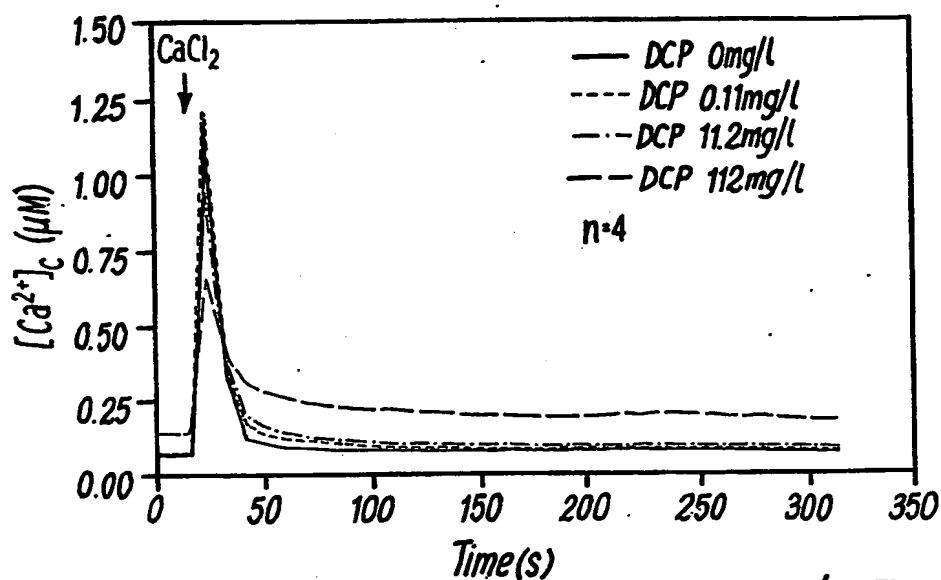
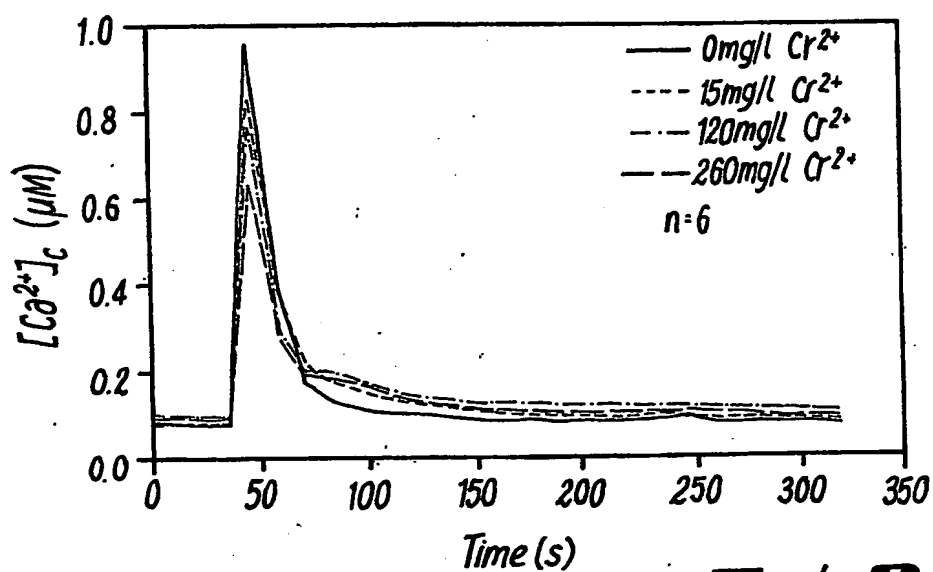
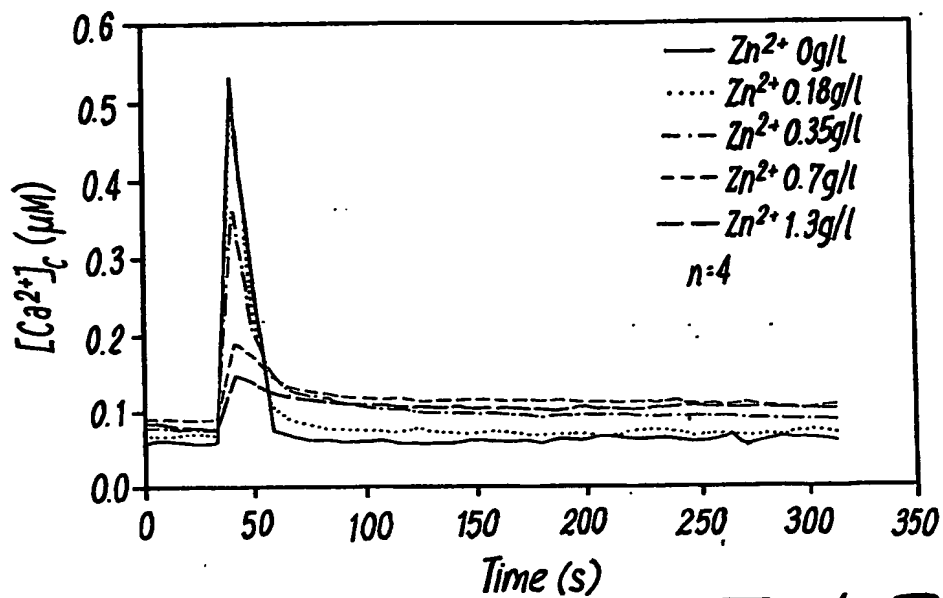
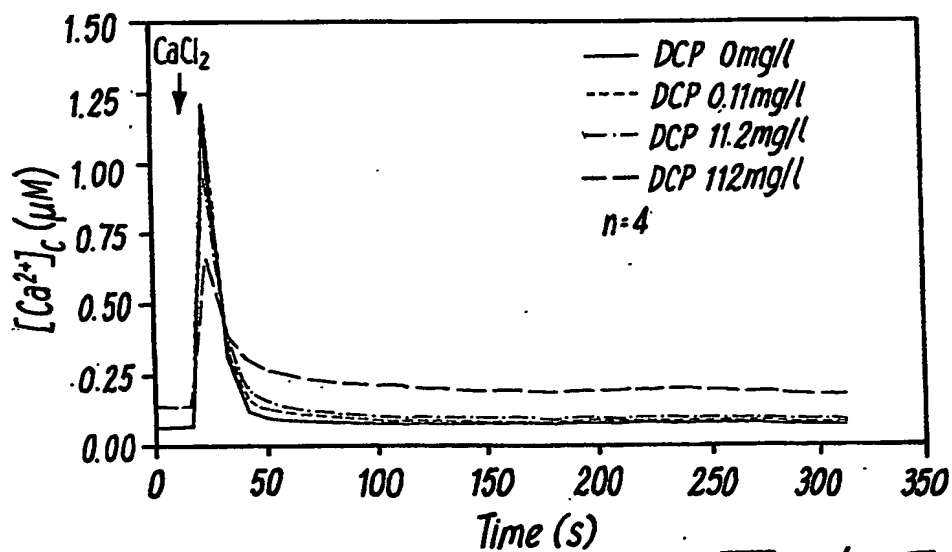


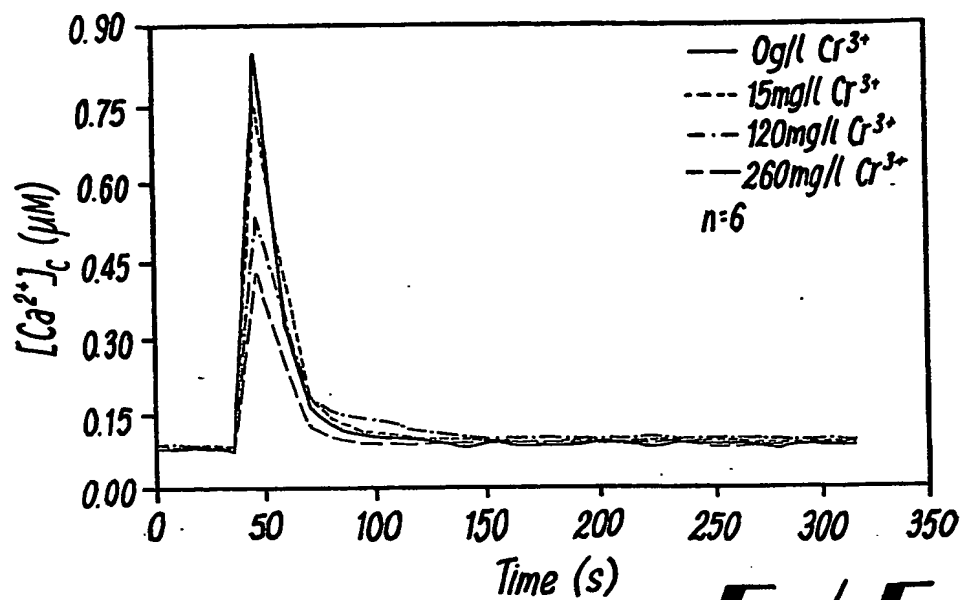
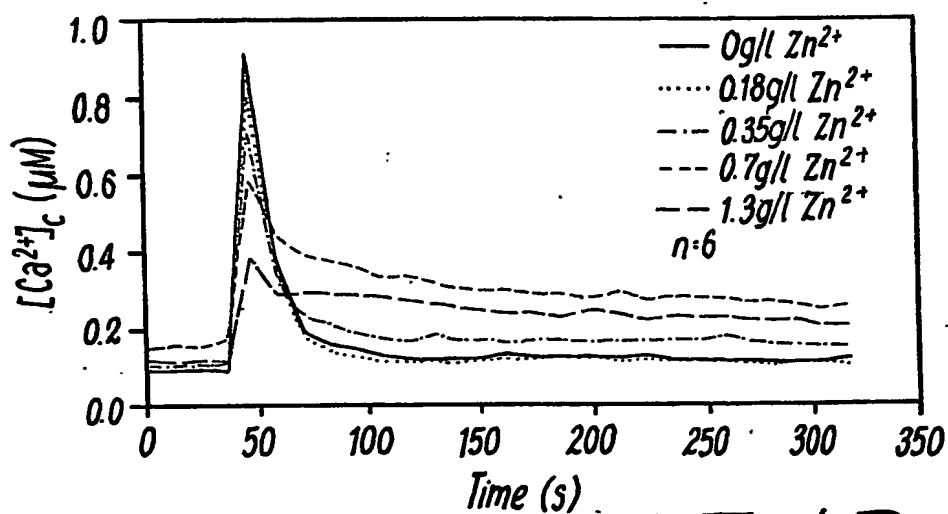
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**FIG. 1****FIG. 2**

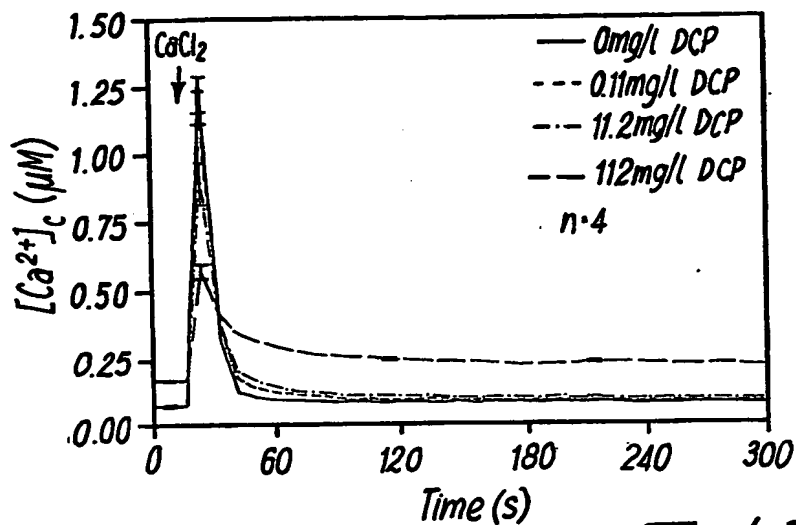
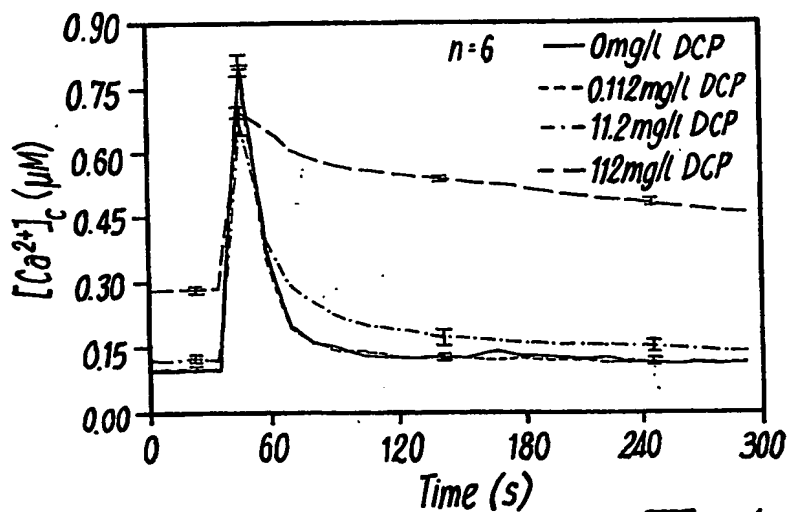
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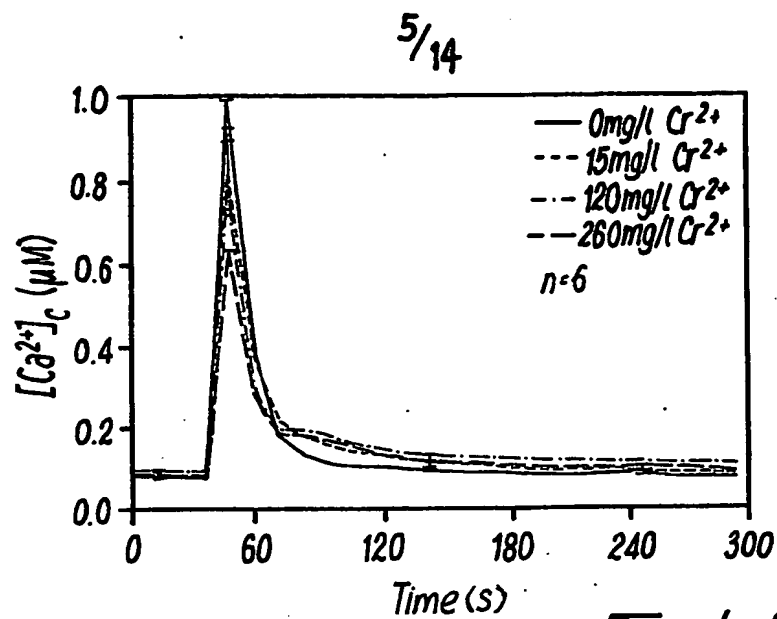
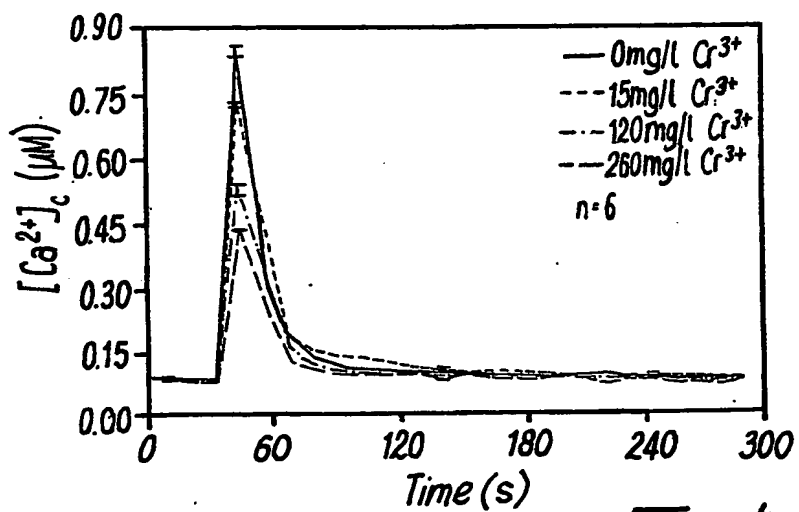
**FIG. 3****FIG. 4**

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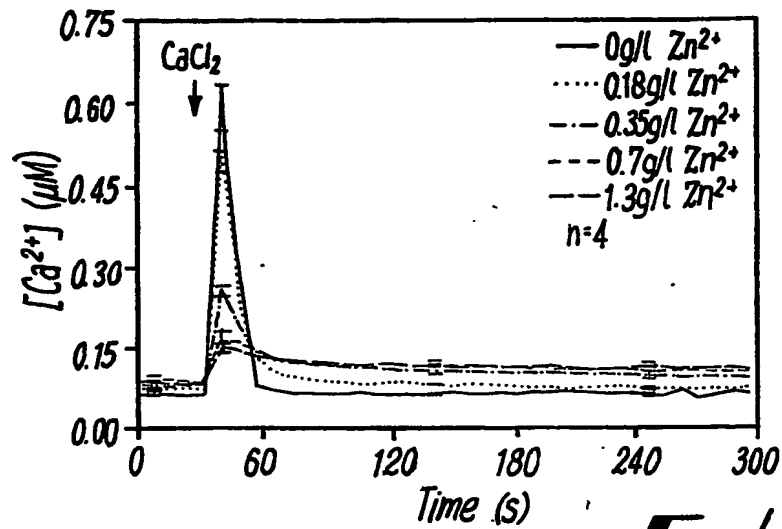
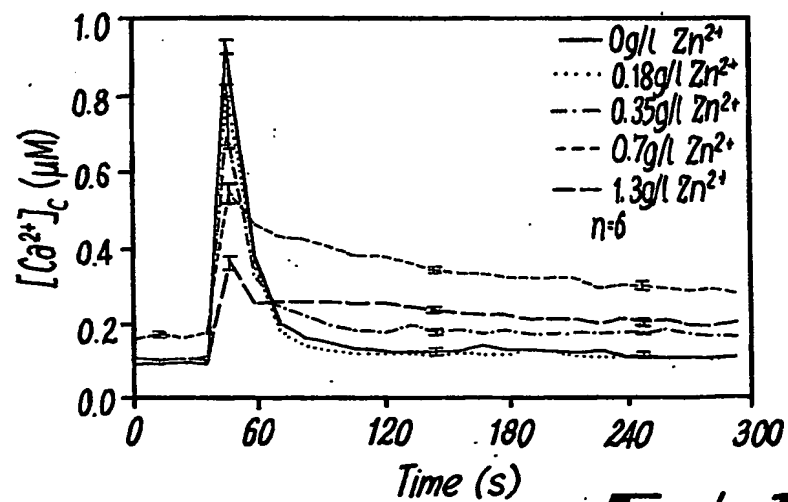
**Fig. 5****Fig. 6**

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**FIG. 7****FIG. 8**

**FIG. 9****FIG. 10**

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**FIG. 11****FIG. 12**

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Chemical of interest (mg/l)	LT		RT		A		LT ₅₀		%IpreSRL		%IFRL		%IRT		Number of increases	
	S1	S2	S1	S2	S1	S2	S1	S2	S2	S2	S1	S2	S1	S2	S1	S2
PCP	0.01	0	0	1	1	1	↑	-	97±9	115±6	104±6	102±3	111±4	102±3	1	1
	0.1	0	0	1	1	1	↑	-	104±9	118±5	104±11	99±3	122±9	99±3	1	1
	1	0	0	1	1	1	↑	-	109±5	204±13	107±11	109±6	195±8	109±6	1	1
	5	0	0	12.6	1	1	↑	↑	120±3	209±7	205±9	218±7	274±4	218±7	1	1
	10	0	0	12.6	12.6	1	↑	↑	131±9	305±17	253±7	308±4	373±22	308±4	1	1
SDS	1	0	0	1	1	1	-	-	125±34	116±5	106±7	109±9	114±6	109±9	1	1
	10	0	0	12.6	1	1	↑	↑	136±13	162±7	120±13	154±10	243±14	154±10	1	1
	50	0	0	12.6	1	1	↑	↑	323±19	237±9	222±16	287±10	328±6	287±10	1	1
	100	0	0	12.6	1	1	↑	↑	359±24	405±15	256±14	286±12	367±11	286±12	1	1
	500	0	n.a.	12.6	n.a.	n.a.	↑	n.a.	n.a.	561±12	n.a.	n.a.	565±12	n.a.	1	n.a.
Toluene	1	n.a.	0	n.a.	1	1	n.a.	-	129±9	n.a.	113±3	115±2	n.a.	115±2	n.a.	1

Note: LT=lager time

RT=rise time

A=changes in A (%)

%IpreSRL=% increase in pre-stimulation resting level

%IFRL=% increase in final resting level

%IRT=% increase in recovery time

S1=Stage 1

S2=Stage 2

File 13

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Chemical	Values of interest (mg/l)	LT		RT		A		LT ₅₀		%preSRL		%IFRL		%IRT		Number of increases	
		S1	S2	S1	S2	S1	S2	S1	S2	S2	S2	S1	S2	S1	S2	S1	S2
3,5 DCP	10	0	0	12.6	1	40±2	79±25	↑	↑	102±3	102±3	134±10	172±21	153±13	207±23	1	1
PCP	10	0	0	12.6	12.6	417±73	175±27	↑	↑	131±9	131±9	305±17	253±7	373±22	308±4	1	1
Zn ²⁺	700	0	0	12.6	1	42±5	74±1	↑	↑	142±18	142±18	225±8	263±14	258±5	225±12	1	1
C ⁶⁺	15	0	0	1	1	41±5	84±23	-	-	102±12	102±12	104±5	110±11	103±2	120±28	1	1
Toluene	25 (1)	0	0	n.a.	1	n.a.	73±13	n.a.	↑	121±6	121±6	n.a.	113±3	n.a.	115±2	1	1
SDS	500	0	0	12.6	1	998±35	116±3	↑	↑	359±24	359±24	561±12	256±14	565±12	286±12	1	1

Note: LT=lager time

RT=rise time

A=changes in A (%)

%preSRL=% increase in pre-stimulation resting level

%IFRL=% increase in final resting level

%IRT=% increase in recovery time

S1=Stage 1

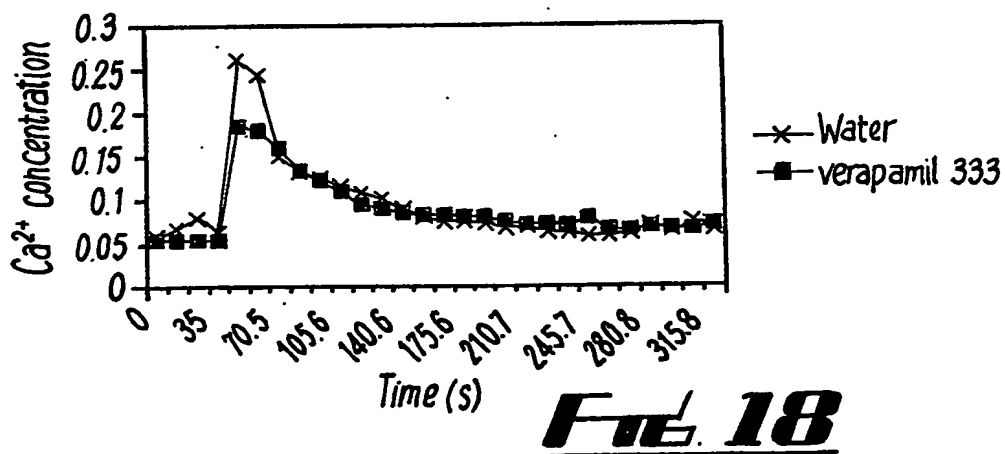
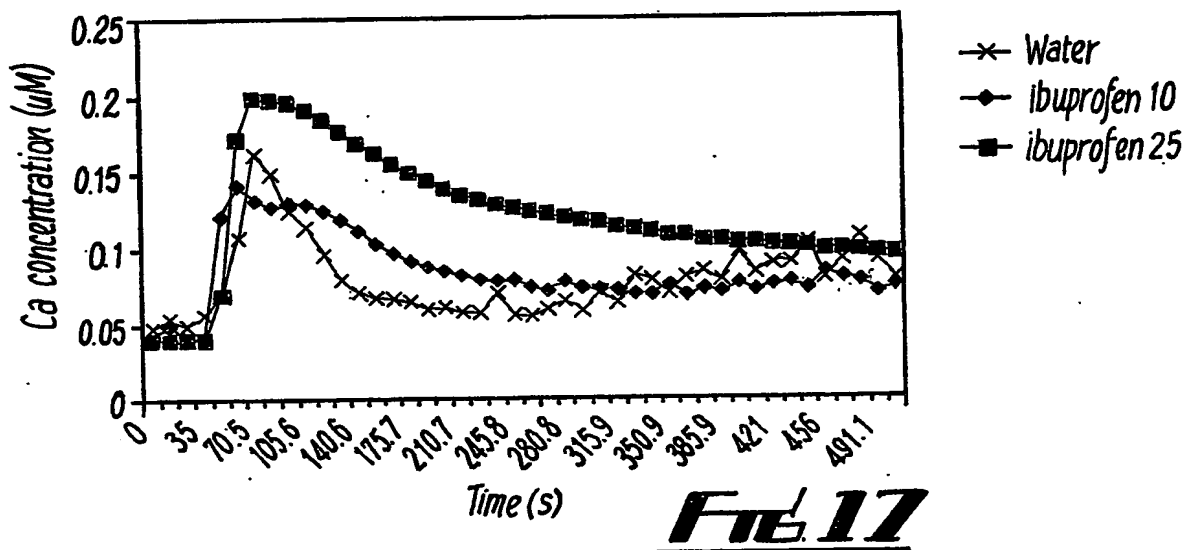
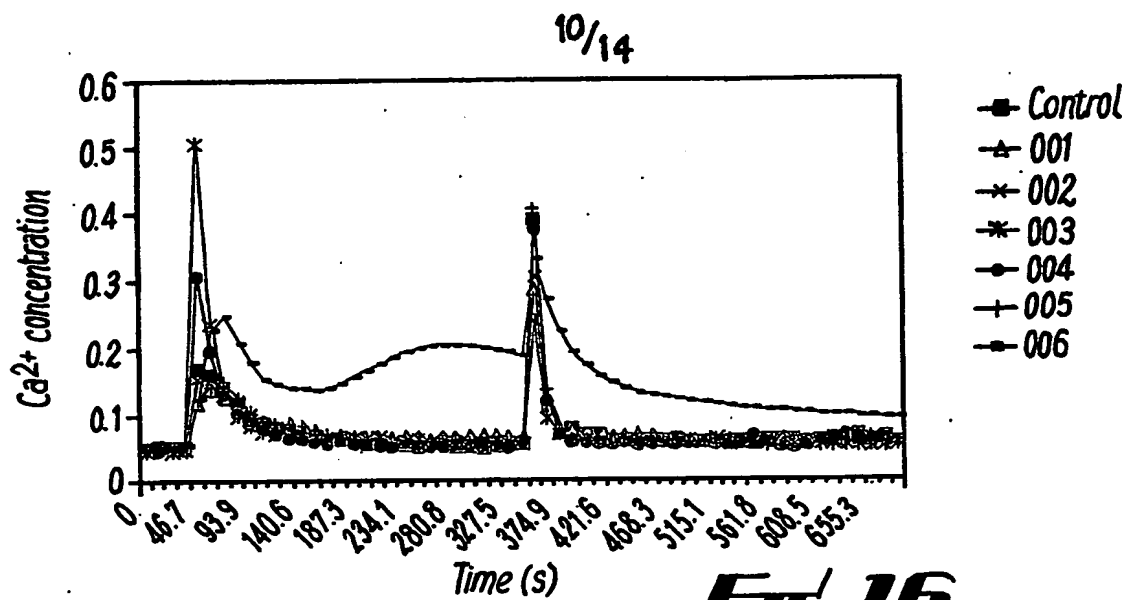
S2=Stage 2

File 14

Chemical	Values of interest (mg/l)	LT		RT		A		LT ₅₀		%IpreSRL		%IFRL		%IRT		Number of increases	
		S1	S2	S1	S2	S1	S2	S1	S2	S2	S2	S1	S2	S1	S2	S1	S2
3,5 DCP	10	0	0	12.6	1	40±2	79±25	↑	↑	102±3	102±3	134±10	172±21	153±13	207±23	1	1
C ⁶⁺	15	0	0	1	1	41±5	84±23	-	-	102±12	102±12	104±5	110±11	103±2	120±28	1	1
Zn ²⁺	700	0	0	12.6	1	42±5	74±1	↑	↑	142±18	142±18	225±8	263±14	258±5	225±12	1	1
SDS	500	0	0	12.6	1	998±35	116±3	↑	↑	359±24	359±24	561±12	256±14	565±12	286±12	1	1
3,5-DCP + C ⁶⁺	6+12	0	0	12.6	1	33±4	88±13	↑	-	96±26	96±26	117±4	120±14	128±5	119±10	1	1
C ⁶⁺ Zn ²⁺	30+350	0	0	1	1	23±6	76±4	↑	-	100±5	100±5	143±18	150±12	158±26	154±6	1	2
3,5 DCP + Zn ²⁺	10+350	0	0	12.6	1	65±5	86±2	↑	-	103±9	103±9	294±18	153±16	311±14	208±11	1	2
3,5-DCP + C ⁶⁺ Zn ²⁺	6+12+350	0	0	12.6	1	25±2	79±5	↑	-	102±8	102±8	164±4	150±9	160±5	195±8	1	2
Mixture 1	See M&M	0	0	12.6	12.6	466±13	128±6	↑	↑	262±13	262±13	402±17	501±38	446±17	477±28	2	2
Mixture 2	See M&M	0	0	1	1	116±8	69±14	↑	-	148±16	148±16	177±44	132±27	170±28	120±7	1	1

Italics represents data obtained with very high concentrations of toxicants: Zn²⁺=700 mg/l; C⁶⁺=120 mg/l; 3,5 DCP=49 mg/l

Fig. 1.5



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Chemical	Concentration (mg/l)	RT	A	LT ₅₀	%IFRL	%IRT
Ibuprofen	10	↓	-	↓	-	-
	25	-	↑↑	↑	-	↑
Verapamil	333	-	↑	-	-	-

Fig. 19

Chemical	Concentration (μM)	RT	A	LT ₅₀	%IPreRL	%IFRL	%IRT
CPA	10	-	-	-	-	-	-
	20	-	↑	↑	↑	↑	↑
	50	-	↑↑	↑	3*↑	4*↑	4*↑
KP4	5.4	-	↓	↑	-	-	-

Fig. 20

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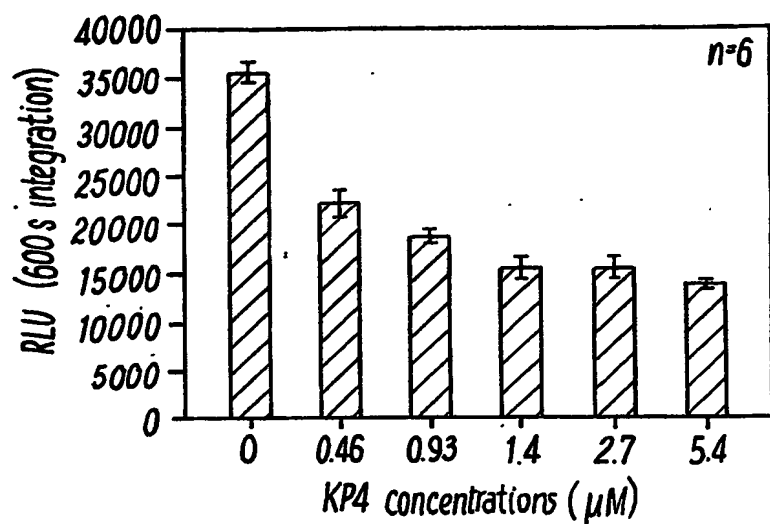
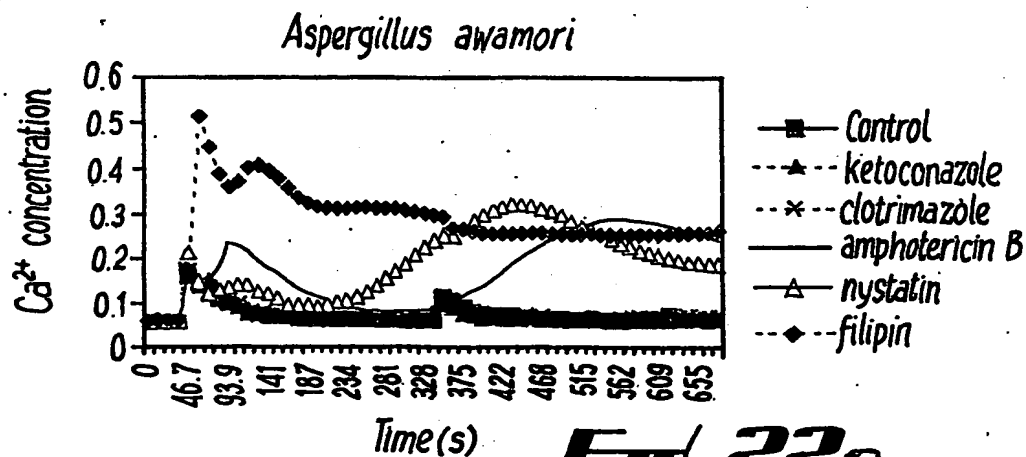
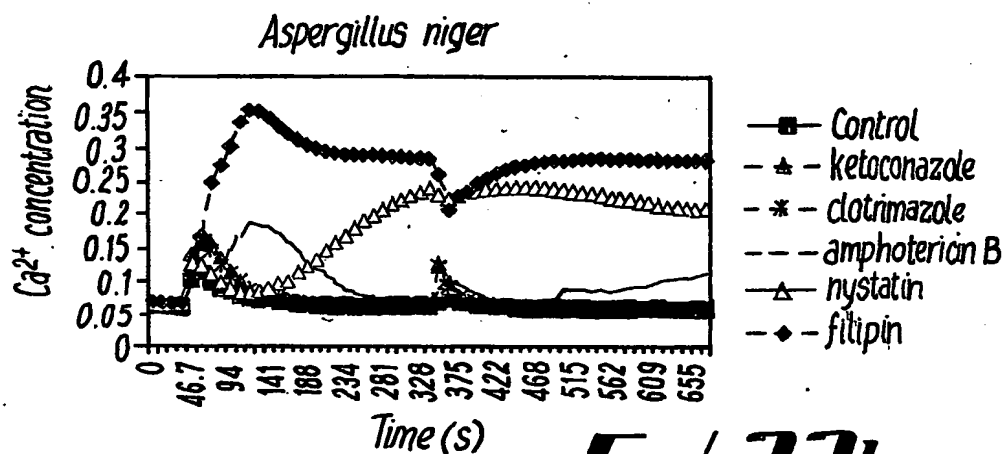
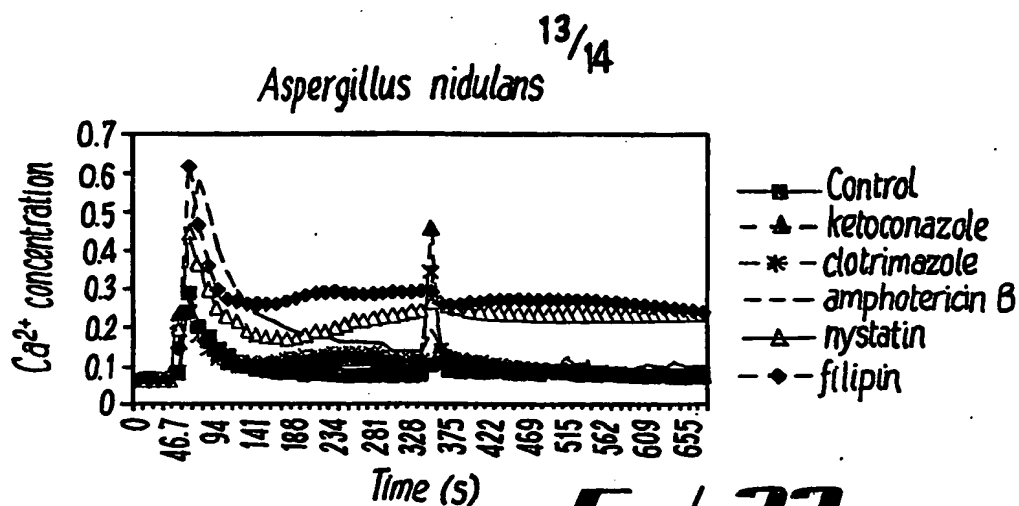
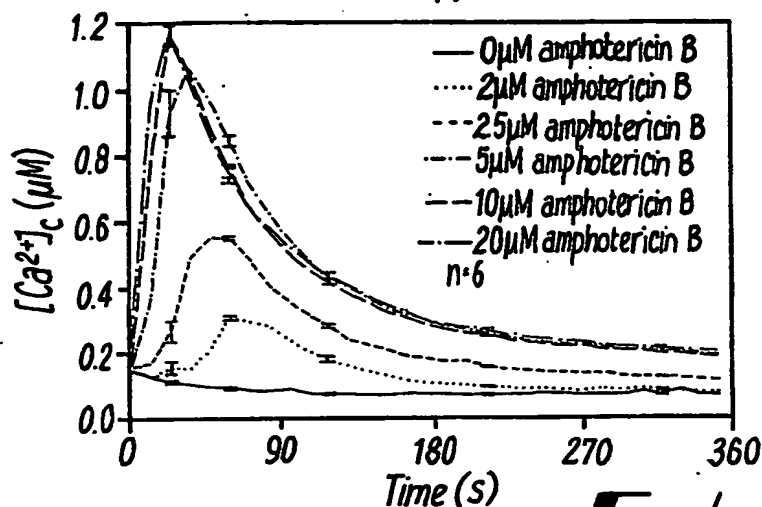
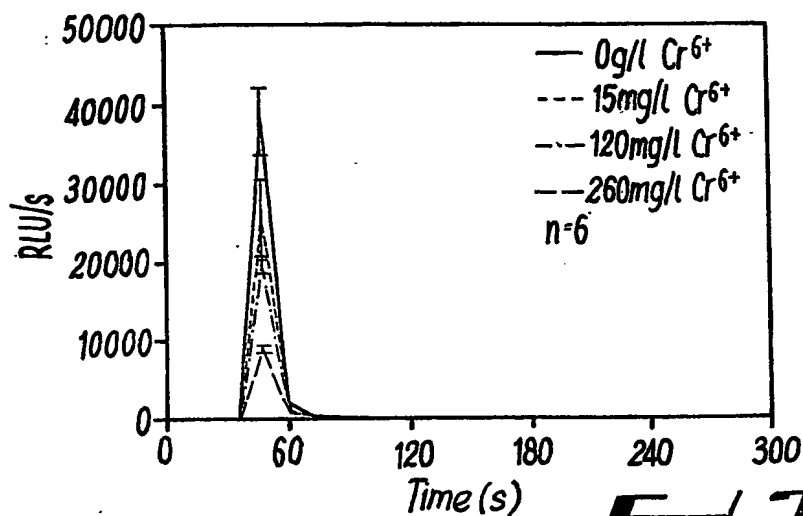
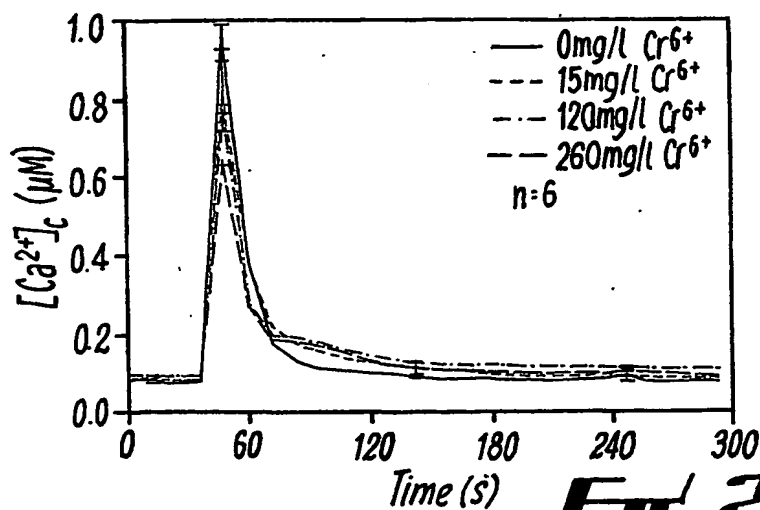


FIG. 21



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**FIG. 23****FIG. 24****FIG. 25**